PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

PCT/EP 2004 · 0 1 4 8 6 7

30 DEC 2004

EUROPEAH PATENT OFFICE **PCT INTERNATIONAL APPLICATION** Name of receiving Office and "PCT International Application"

	(if desired) (12 character	rs maximum) N 7196 / KK			
Box No. I TITLE OF INVENTION		71.1007111			
POSITION SENSOR					
Box No. II APPLICANT This per	x No. II APPLICANT This person is also inventor				
Name and address: (Family name followed by given name; for a legal e The address must include postal code and name of country. The country of Box ts the applicant's State (that is, country) of residence if no State of residence		Telephone No.			
NCTEngineering GmbH		Facsimile No.			
Otto-Hahn-Straße 24	}				
85521 Ottobrunn		Teleprinter No.			
Germany	}	Application			
	ļ	Applicant's registration No. with the Office			
State (that is, country) of nationality: DE	State (that is, country) of DE	of residence:			
This person is applicant all designated for the purposes of:		ne United States of America only the States indicated in the Supplemental Box			
Box No. III FURTHER APPLICANT(S) AND/OR (FURT					
Name and address: (Family name followed by given name; for a legal e. The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of reside MAY, Lutz Wolfratshauser Str. 23a 82538 Geretsried-Gelting Germany	(the address indicated in this ence is Indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: DE	State (that is, country) o	f residence:			
for the purposes of: States the United	States of America of	the United States indicated in the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated	on a continuation sheet.				
Box No. IV AGENT OR COMMON REPRESENTATIVE	E; OR ADDRESS FOR C	ORRESPONDENCE			
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authoritie	s as:	gent common representative			
Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of	country)	Telephone No. 089-74 72 66-0			
HUENGES, Martin, Dr.		Facsimile No.			
Maiwald Patentanwalts GmbH		089-77 64 24			
Elisenhof		Teleprinter No.			
Elisenstrasse 3		-			
30335 Munich		Agent's registration No. with the Office			
Germany		174			
Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.					

Sheet No.

Box No. V DESIGNAT	TIONS					
The filing of this request confiling date for the grant of e	nstitutes under Rule 4.9(a), t every kind of protection avail	the designation of all Cont	racting States bound by the	he PCT on the international		
However,	very kind of proteotion available	abic and, where applicable	, for the grant of both reg	gional and national patents.		
DE Germany is not d	esignated for any kind of nat	ional protection				
l —	a is not designated for any k	-				
i —	on is not designated for any l	-				
(The check-boxes above may	be used to exclude (irrevocal	hlv) the designations conce	rned in order to avoid the	ceasing of the effect under		
(The check-boxes above may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. See the Notes to Box No. V as to the consequences of such national law provisions in these and certain other States.)						
Box No. VI PRIORITY	CLAIM					
The priority of the following	g earlier application(s) is here	by claimed:				
Filing date	Number of antion and instinction	\	Where earlier application is:			
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office		
item (1) 30 December 2003 (30.12.03)	03030030.5		EP			
item (2) 30 December 2003 (30.12.03)	60/533,276	us				
item (3) 2 August 2004 (の 2.0 公 2.00~)	60/598,111	us				
<u> </u>	are indicated in the Suppleme	ental Box.		•		
The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:						
all items item (1) item (2) item (3) other, see Supplemental Box						
* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)):						
			· · · · · · · · · · · · · · · · · · ·	·····		
Box No. VII INTERNATIONAL SEARCHING AUTHORITY						
Choice of International Security	arching Authority (ISA) (if	two or more International S	Gearching Authorities are	competent to carry out the		
international search, indicate the Authority chosen; the two-letter code may be used): ISA / EP						
	rlier search; reference to t	hat search (if an earlier se	arch has been carried ou	t by or requested from the		
International Searching Authority Date (day/month/year)	ority):			. 5, 5, requested from the		
Date (uny/month/year)	Numt	Coun	try (or regional Office)			
Box No. VIII DECLARA	TIONS					
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Number of check-boxes below and indicate in the right column the number of each type of declaration): declarations						
Box No. VIII (i)	Declaration as to the identit	ty of the inventor	·	:		
Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the international filing						
Box No. VIII (iii)	date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application					
Box No. VIII (iv)	Declaration of inventorship (only for the purposes of the designation of the United States of America)					
Box No. VIII (v)	Declaration as to non-preju		otions to lack of novelty	:		

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Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which Continuation of Box No. VI: a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No..." (indicate the number of the Box) and furnish the information in the same manner as required according to the continuation of the Box in which the resource is the Box in the captions of the Box in which the space was insufficient, in
- (i) if more than two persons are to be indicated as applicants 9 November 2004; 60/626,359; US and/or inventors and no "continuation sheet" is available: in (09.11.04) such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box (19.11.04) is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is inacation "the states inacated in the Supplemental BOX" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant. applicant;
- if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the same of the inventor(s) and next to leach such name the State(s). name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor:
- if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- 2. If the applicant intends to make an indication of the wish that the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such a case, write the name or two-letter code of each designated State concerned and the indication "patent of addition," "certificate of addition," "inventor's certificate of addition," the number of of adultion or utility certificate of adultion," the number of the parent application or parent patent or other parent grant and the date of grant of the parent patent or other patent grant or the date of filing of the parent application (Rules 4.11(a)(iii) and 49bis.1(a) or (b)).
- 3. If the applicant intends to make an indication of the wish that the international application be treated, in the United States of America, as a continuation or continuation-in-part of an earlier application: in such a case, write "United States of America" or "US" and the indication "continuation" or "continuation-in-part" and the number and the filing date of the parent application (Rules 4.11(a)(iv) and 49bis.1(d)).

23 September 2004; 60/612,562; US (23.09.04)12 October 2004; 60/617,890; US (12.10.04)(09.11.04)19 November 2004; 60/629,589; US

Box No. IX CHECK LIST; LANGUAGE	OF FILING		
This international application contains: (a) in paper form, the following number of sheets:	This international application is accompanied by the followin item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	g Numbo of item	
request (including declaration sheets) : 4	1. 2 fee calculation sheet	:	1
description (excluding	2. original separate power of attorney	;	
sequence listing and/or	3. U original general power of attorney	:	
tables related thereto) : 89	4. copy of general power of attorney; reference number if any:	•	
claims : 9	5. statement explaining lack of signature	• • • • • • • • • • • • • • • • • • • •	
abstract : 1	6. priority document(s) identified in Box No. VI as	:	İ
drawings : 41	item(s):	:	
Sub-total number of sheets: 144 sequence listing:	7. translation of international application into (language):		
tables related thereto : (for both, actual number of	8. separate indications concerning deposited microorgal or other biological material		
sheets if filed in paper form, whether or not also filed in	9. sequence listing in computer readable form	•	
computer readable form; see (c) below)	(indicate type and number of carriers) (i) □ copy submitted for the purposes of international se	arch under	
Total number of sheets : 144	Rule 13ter only (and not as part of the internationa (ii) (only where check-box (b)(i) or (c)(i) is marked in left	(column)	
(b) only in computer readable form (Section 801(a)(i))	additional copies including, where applicable, the purposes of international search under Rule 13ter	copy for the :	
(i) ☐ sequence listing (ii) ☐ tables related thereto	(iii) together with relevant statement as to the identity of copies with the sequence listing mentioned in left of	of the copy or column :	
(c) also in computer readable form (Section 801(a)(ii))	10. tables in computer readable form related to sequence l (indicate type and number of carriers)		
(i) sequence listing	(i) copy submitted for the purposes of international se Section 802(b-quater) only (and not as part of the	arch under	
(ii) tables related thereto	application)	:	
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	(ii) (only where check-box (b) (ii) or (c) (ii) is marked in le additional copies including, where applicable, the purposes of international search under Section 802	eft column) copy for the	
sequence listing:	(iii) together with relevant statement as to the identity of	of the copy or	
tables related thereto:	copies with the tables mentioned in left column	:	
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. 🔀 other (specify): .check	:	1
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English		7
Box No. X SIGNATURE OF APPLICANT	T, AGENT OR COMMON REPRESENTATIVE ning and the capacity in which the person signs (if such capacity is not obvious		
Munich, 30 December 2004	imig who are capacity in which the person signs (y such capacity is not obvious	i from reading the request	<u>'</u>
(9. Quencus			
HUENGES, Martin, Dr. (Association No	o. 174)		
Maiwald Patentanwalts GmbH			_
Date of actual receipt of the purported	3 0, 12, 04 3 0 DEC 2004	2. Drawings:	٦,
international application:	(3 0, 12, 04) 3 0 DEC 2004	A	13
3. Corrected date of actual receipt due to later b timely received papers or drawings completing the purported international application:		∑ received:	Roll.
Date of timely receipt of the required corrections under PCT Article 11(2):		not received:	
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid		
	For International Bureau use only		J
Date of receipt of the record copy by the International Bureau:			
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